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**From:** Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]  
**Sent:** 1/20/2016 12:06:13 PM  
**To:** Hillary Stoll [hjstoll@ncsu.edu]  
**Subject:** RE: Visit to EPA

Hillary,

After the class is fine. See you then.

Mark

**From:** Hillary Stoll [mailto:hjstoll@ncsu.edu]  
**Sent:** Tuesday, January 19, 2016 10:15 PM  
**To:** Strynar, Mark <Strynar.Mark@epa.gov>  
**Subject:** Re: Visit to EPA

Hello Mark,

That's a good point, it is certainly possible that there is contamination within the standards. I was also told that they determine the purity via titration. Thursday should work well for me, as well. I have class from 10:15-11:30 on Thursday so it is likely most efficient if I come after that class. Let me know if there are any issues with this.

Thanks!  
Hillary

On Tue, Jan 19, 2016 at 3:25 PM, Strynar, Mark <[Strynar.Mark@epa.gov](mailto:Strynar.Mark@epa.gov)> wrote:

Hillary,

It would not be the first time we got an authentic standard that is contaminated with other compounds. The way they check "purity" is to titrate as I have been told. It is very believable that they may be impure standards when we are told they are pure. It would be no fault of yours. We can check this however.

Thursday looks like a good day for me. Perhaps I can get in the lab tomorrow. I have been unable as of yet today.

Mark

**From:** Hillary Stoll [mailto:[hjstoll@ncsu.edu](mailto:hjstoll@ncsu.edu)]  
**Sent:** Tuesday, January 19, 2016 1:55 PM  
**To:** Strynar, Mark <[Strynar.Mark@epa.gov](mailto:Strynar.Mark@epa.gov)>  
**Subject:** Re: Visit to EPA

Hello Mark,

I think I remember seeing on an invoice or product information form that was sent to me after I had received the standards that the caps for the standards are lined with Teflon. Could this be a potential issue regarding the contamination? It seems strange that this standard has contamination with other standards since this standard was made first. This leads me to believe that the source of contamination may have already been in the standard or that it is being contaminated from something else that it comes into contact with. However, depending on the results that we get from the curve including both the PFOA and the PFECAs, I may remake the standard solution and see if that improves the situation at all.

I would like to stop by this week if possible so let me know if/when you are available.

Thanks,

Hillary

On Tue, Jan 19, 2016 at 7:09 AM, Strynar, Mark <[Strynar.Mark@epa.gov](mailto:Strynar.Mark@epa.gov)> wrote:

Hillary,

I got your message. I ran some standards and they did not look very good. There appears to be some inconsistency in the injection to injection precisions specific to the PFECAs (the only one I tested) and there appears to be some contamination in this standard of other PFECAs. I want to run a curve with PFOA or PFOS and the PFECAs together to see if this inconsistency is compound specific.

Mark

**From:** Hillary Stoll [mailto:[hjstoll@ncsu.edu](mailto:hjstoll@ncsu.edu)]  
**Sent:** Friday, January 15, 2016 12:19 PM  
**To:** Strynar, Mark <[Strynar.Mark@epa.gov](mailto:Strynar.Mark@epa.gov)>  
**Subject:** Visit to EPA

Hello Mark,

Did you receive the voicemail I left you about my methanol solutions? Also, I apologize for not making it to the EPA this week. I was dealing with issues with my eye earlier in the week and then being physically ill for the end of the week. I should be good to go next week, though. I know that Monday is a federal holiday, but let me know when you are available for me to stop by next week. I am interested to hear what you found out after running some of the standards this week.

Hope you have a wonderful long weekend.

Thanks,

Hillary

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